

Powered tilt steering arrangement

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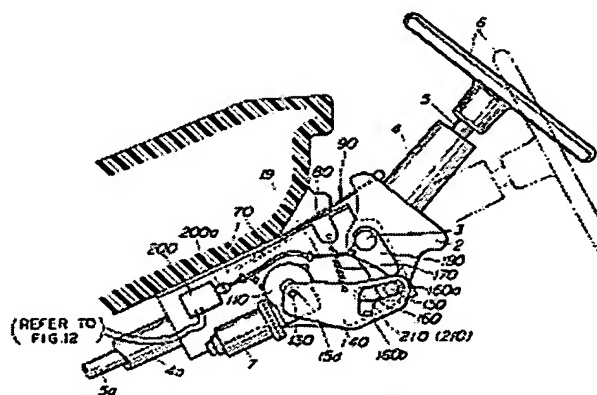
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A powered tilt steering arrangement for a vehicle using a motor which rotates unidirectionally. The powered tilt steering arrangement basically comprises: a steering column having an upper shaft and a steering wheel assembly; a tilt bracket pivotally mounted on a mounting bracket fixed to a vehicle body and on which the steering wheel assembly is mounted; a drive source such as the motor; an actuator in response to a rotational force of the motor for actuating the tilt bracket to pivot through a predetermined angular width with respect to the mounting bracket in a reciprocatory motion; and a lock mechanism for locking the steering assembly when the actuator is stopped so that the steering wheel assembly is placed and held at a desired optimum driving position within the predetermined angular width. In addition, the powered tilt steering arrangement is preferably provided with a jump up mechanism which automatically tilts the steering wheel assembly toward a predetermined upper limit angular position by means of a spring force when the vehicle driver leaves the vehicle through a door so as not to obstruct the driver. Furthermore, the jumped up steering wheel assembly is returned to the originally set optimum driving position when the steering wheel assembly is depressed with the door being closed and the driver restarting the vehicle.



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